Index of Claims

| App  | lica | tion | /Conf | rol N | 0. |
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10/500,922

Examiner

Michael t. Tran

Applicant(s)/Patent under Reexamination

KIM, JUNG-PILL

Art Unit

2827

| <b>√</b> | Rejected |
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| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| rough numeral)<br>Cancelled | Z | Non-Elected  |  |  |  |  |  |
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| Restricted                  | _ | Interference |  |  |  |  |  |

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| Cli       | aim      |  |                 |          | D:       | ate      |           |          |          | ٦        | Γ   | Cli   | aim      | Τ        |                |                 | Г        | ate      |          |          |          | $\neg$   | Γ        | Cl       | aim        |          |                         |  | Da                      | te                      |         |              |              | 7        |
|-----------|----------|--|-----------------|----------|----------|----------|-----------|----------|----------|----------|-----|-------|----------|----------|----------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|-------------------------|--|-------------------------|-------------------------|---------|--------------|--------------|----------|
| <u> </u>  |          |  | П               | $\neg$   | Ť        | Ť        | Т         | Т        |          | $\dashv$ | ŀ   |       |          |          | П              |                 | ī        |          |          | Т        | Т        | $\dashv$ | 十        | <u> </u> |            | $\neg$   | Т                       | $\neg$   | Ť                       | Ť                       |         | Т            | Т            | 1        |
| Final     | Original | 11/17/05   |                 |          |          |          |           |          |          |          |     | Final | Original |          |                |                 |          |          |          |          |          |          |          | Final    | Original   |          |                         |  |                         | 1                       |         |              |              |          |
| ᇤ         | l Ē      | 1/1  |                 | -        |          |          | - 1       |          |          |          |     | ίΞ    | Ĕ        |          |                |                 |          |          | - 1      |          |          |          | - {      | <u>i</u> | Ë          |          | ı                       |  |                         |                         |         |              |              |          |
|           |          | 1  |                 |          |          |          |           |          |          |          |     |       | l        |          |                |                 |          |          |          | _1       |          |          |          |          |            |          |                         | <u>.</u>   |                         |                         |         |              |              | ╛        |
|           | (1)      | 7  |                 | $\perp$  |          |          |           | $\Box$   |          |          |     |       | 51       |          |                |                 |          |          |          | $\Box$   |          |          |          |          | 101        |          | Τ                       |  |                         |                         |         |              |              | ]        |
|           | 2        | 7  |                 |          |          |          |           |          |          | _        |     |       | 52       | L,       | Ш              |                 | $\Box$   |          | ]        | $\perp$  | $\perp$  | _        | L        |          | 102        |          | $\perp$                 | $\perp$  | 丄                       | 上                       | $\perp$ | 上            | 1            | ╛        |
|           | 3        | 1  | Ц               | 4        | _        | _        | _         | _        |          |          |     |       | 53       |          | Ш              |                 | _        | _        | _        | _        | _        | _        | L        |          | 103        |          | 4                       | $\perp$  | ┸                       | 1_                      | 1       | ┸            | ┸            | ╛        |
|           | 4        | 7  | _               | 4        | _        | 1        | _         | 4        | _        | _        |     |       | 54       | _        | Ш              |                 | _        |          | _        | 4        | 4        | _        | L        |          | 104        | $\perp$  | 4                       | _  | _                       | 4                       | 4       | $\bot$       | 1            | 1        |
|           | 5        | 7  |                 | 4        | 4        | _        | 4         | _        | _        | 4        | -   |       | 55       | ╙        | Ш              |                 | _        | _        | _        | _        | 4        | _        | L        |          | 105        | _        | 4                       | 4  | 4                       | 4_                      | 4       | 4            | 4            | 4        |
|           | 6        | V  | $\Box$          | 4        | $\perp$  | 4        | 4         | _        | _        | _        |     |       | 56       | ↓_       | Ш              |                 | _        |          | _        | _        | 4        | _        | L        |          | 106        |          | $\bot$                  | $\bot$   | 4                       | ╀                       | 4       | $\bot$       | ┸            | 4        |
|           | 0        | 1  | $\vdash$        | 4        | 4        | 4        | -         | $\dashv$ | -        | -        | ŀ   |       | 57       | -        | Н              |                 | $\dashv$ | $\dashv$ | -        | -        | 4        | -        | -        |          | 107        |          | +                       | +  | ╀                       | +                       | +       | +            | +            | ┥        |
|           | 8        | 1  | $\dashv$        | +        | +        | +        | $\dashv$  | $\dashv$ |          | 4        | -   | ·     | 58       | ╄        | $\vdash$       |                 | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | ┝        |          | 108        |          | +                       |  | +-                      |                         | +       | +-           | ╀            | 4        |
|           | 9        | 7  | $\dashv$        | +        | +        | -        | +         | $\dashv$ | 4        | 4        | ŀ   |       | 59       | ┼        | $\blacksquare$ |                 |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | 109<br>110 |          | +                       | +  | +                       | -                       | +       | +            | +-           | ┨        |
|           | 10       | 1  | $\dashv$        | +        | +        | $\dashv$ | +         | +        | $\dashv$ |          | ŀ   |       | 60       | ╀        | Н              |                 | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | H        |          |            |          | +                       | +  | ╁                       | +                       | +-      | +-           | ╁            | ┨        |
|           | 12       | 7  | $\vdash \vdash$ | +        | +        | $\dashv$ | +         | -+       | -+       | $\dashv$ | }   |       | 61<br>62 | +        | $\vdash$       | -1              | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | 111<br>112 | $\dashv$ | +                       | +  | ╬                       | ╁                       | +       | +            | +            | 4        |
|           | 13       | V  | $\vdash \vdash$ | +        | +        | +        | -+        | -+       | $\dashv$ | $\dashv$ | }   |       | 63       | $\vdash$ | -              | $\vdash$        | _        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ |          | 113        | +        | +                       | +  | +-                      | +-                      | +       | +            | +            | ┨        |
|           | (14)     | 1  | $\vdash \vdash$ | $\dashv$ | +        | +        | -+        | $\dashv$ | ┰        | -        | ŀ   |       | 64       | +        | Н              |                 | -        |          |          | $\dashv$ | -+       | $\dashv$ | H        | -        | 114        | +        | +                       | +  | +                       | +                       | +       | +            | +            | 1        |
|           | 15       | 1  | $\forall$       | $\dashv$ | $\dashv$ | +        | $\dashv$  | $\dashv$ | +        | $\dashv$ | }   |       | 65       |          | Н              |                 |          | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | 卜        | _        | 115        | $\dashv$ | +                       | 十  | +-                      | +                       | +       | +            | +            | 1        |
|           | 16       | 1  | $\vdash$        | $\dashv$ | +        | +        | $\dashv$  | $\dashv$ | +        | $\dashv$ | 1   |       | 66       | 1        | Н              |                 | -        |          | 一        | $\dashv$ | $\dashv$ | $\dashv$ | 卜        |          | 116        | $\dashv$ | +                       | 十  | $\top$                  | +                       | $\top$  | $\top$       | +            | 1        |
|           | 17       | 7  | H               | $\dashv$ | +        | $\dashv$ | $\dashv$  | 十        | -        | $\dashv$ | ŀ   |       | 67       | +        | t              |                 |          |          | 一        | $\dashv$ | _        | ヿ        |          | _        | 117        | +        | $\top$                  | ╅  | $\top$                  | t                       | $\top$  | $\top$       | 十            | 1        |
| <b></b> - | 18       | Ì  | H               | _        | $\top$   | $\dashv$ | $\dashv$  | _        | $\dashv$ | $\dashv$ | ŀ   |       | 68       | T        | Н              |                 | $\neg$   |          |          | +        | 十        | $\dashv$ |          |          | 118        | $\dashv$ | +                       | $\top$   | $\top$                  | T                       | $\top$  | ╅            | $\top$       | 1        |
| _         | 19       | 0  | $\Box$          | $\top$   | +        | 寸        | _         | _        | 寸        | ┪        | ı   |       | 69       | 1        | $\Box$         |                 | ヿ        |          | _        |          | 寸        | ┪        |          |          | 119        | $\top$   | $\top$                  | $\top$   | 十                       | T                       | Ť       | T            | 1            | 1        |
|           | 20       | 0  |                 | 十        | 7        | +        | 寸         | $\neg$   | 寸        | ┪        | ı   |       | 70       |          | П              |                 |          |          | ヿ        | 寸        | $\neg$   |          |          |          | 120        |          | $\top$                  | 十  | 十                       | $\top$                  | Τ       | 1            | $\top$       | 1        |
|           | 21       | 0  |                 | 寸        | 十        | 1        | 寸         | 寸        | $\neg$   | ╗        | 1   |       | 71       |          |                |                 |          |          | $\neg$   |          |          | 7        |          |          | 121        |          | 十                       | T  | Τ                       | T                       | T       | 丁            |              | 1        |
|           | 22       | 0  | П               |          | $\top$   | $\top$   | $\neg$    | $\neg$   | 寸        | ╗        |     |       | 72       | 1        | П              |                 |          |          | $\neg$   | 丁        |          |          |          |          | 122        |          |                         |  |                         |                         |         |              |              |          |
|           | 23       | 0  |                 |          |          |          | ŀ         |          |          |          |     |       | 73       |          |                |                 |          |          |          |          |          |          |          |          | 123        |          |                         |  |                         |                         |         |              |              | ]        |
|           | 24       |  |                 |          |          |          |           |          |          |          |     |       | 74       |          |                |                 |          |          |          |          |          |          |          |          | 124        |          |                         |  |                         | L                       | $\perp$ | L            | $\perp$      |          |
|           | 25       |  |                 |          |          |          |           |          |          |          |     |       | 75       |          |                |                 |          |          |          |          |          |          | L        |          | 125        |          | 1                       | 1  | ┸                       | ┸                       | ┸       |              |              | 1        |
|           | 26       | L  | Ш               | $\perp$  |          |          |           |          | $\perp$  | _        | ļ   |       | 76       | _        | Ш              |                 |          |          | $\Box$   | _        |          |          | L        |          | 126        |          | ᆚ                       | ᆚ  | ↓                       | ↓                       | $\perp$ | ┸            | $\bot$       | ╛        |
|           | 27       | L  | Ш               | 4        | _ _      | $\perp$  |           | _        | _        | _        |     |       | 77       | <u> </u> | Ш              | $\Box$          |          |          |          | _        | _        | _        | L        |          | 127        |          | 4                       | $\perp$  | 4                       | 1                       | _       | 4            | 4            | 4        |
|           | 28       | _  |                 | _        | 4        | _        | _         | _        | _        | _        |     |       | 78       | ↓_       | Ш              |                 | _        |          | _        | $\dashv$ | 4        | _        | $\perp$  |          | 128        |          | +                       | +  | +                       | +                       | 4       | $\bot$       | _            | 4        |
|           | 29       | <u> </u>   | Н               | _        | 4        | 4        | 4         | 4        | _        | _        | ļ   |       | 79       | ↓_       | Ш              | $\Box$          |          |          | _        | $\dashv$ | _        | _        | $\vdash$ |          | 129        | -        | +                       | $\downarrow$   | +                       | ╀                       | ┸       | 4-           | +            | 4        |
|           | 30       | _  | $\sqcup$        | 4        | -        | 4        | _         | 4        | -        | _        | ŀ   | -     | 80       | -        | $\vdash$       |                 |          |          | _        | -        | -        | _        | $\vdash$ |          | 130        | -        | +                       | +  | +                       | +-                      | _       | +            | +            | 4        |
| ļ         | 31       | -  | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | 4         |          | -        | $\dashv$ | ŀ   |       | 81       | +        | $\vdash$       | $\dashv$        |          | -        |          | $\dashv$ | +        | _        | $\vdash$ |          | 131        | +        | +                       | +  | +                       | +                       | +       | ╀            | +-           | $\dashv$ |
|           | 32       | <u> </u>   |                 |          | +        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   |       | 82<br>83 | ┼-       | H              | -               |          |          |          | $\dashv$ | $\dashv$ | -        | -        |          | 132<br>133 | +        | +                       | +-   | +-                      | ╀                       | ┰       | ╫            | +            | 4        |
|           | 33<br>34 | -  | ├─┤             | +        | +        | -        | $\dashv$  | -        | $\dashv$ | $\dashv$ | ŀ   |       | 84       | +        | $\vdash$       | $\vdash \vdash$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ |          | 134        | +        | +                       | +  | +                       | +                       | +       | +            | +            | $\dashv$ |
|           | 35       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | $\dashv$ | +        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   |       | 85       | +-       | Н              | $\dashv$        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ |          | 135        | +        | +                       | +  | +-                      | +                       | +       | +            | +            | $\dashv$ |
|           | 36       | -  | $\vdash \vdash$ | +        | $\dashv$ | +        | +         | +        | $\dashv$ | $\dashv$ | ŀ   |       | 86       | ╁        | $\vdash$       | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\vdash$ |          | 136        | $\dashv$ | ╅                       | ╫  | +                       | +                       | +       | +-           | +            | +        |
|           | 37       | $\vdash$   | Н               | +        | $\dashv$ | +        | $\dashv$  | $\dashv$ | +        | $\dashv$ | ŀ   |       | 87       | +-       | Н              | $\vdash$        | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | F        | _        | 137        | $\dashv$ | +                       | ╁  | ╁                       | +                       | +       | +            | ╅            | ┨        |
|           | 38       | -  | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | $\dashv$  | +        | $\dashv$ | $\dashv$ | ŀ   |       | 88       | $\vdash$ | H              | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | <b> </b> |          | 138        | +        | +                       | +  | ╅                       | $\dagger$               | +       | +            | ╅            | 1        |
| -         | 39       | <del>                                     </del> | $\vdash$        | +        | +        | $\dashv$ | $\dashv$  | +        | +        | $\dashv$ | ŀ   |       | 89       | †        | Н              | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ┝        |          | 139        | $\dashv$ | +                       | +  | $\top$                  | t                       | +       | +            | +            | 1        |
|           | 40       | <del>                                     </del> |                 | +        | $\dashv$ | $\dashv$ | $\dashv$  | +        | _        | $\dashv$ | ŀ   |       | 90       | +-       | Н              | $\vdash$        | $\neg$   | $\dashv$ | 一        | 一        | $\dashv$ | $\dashv$ | F        |          | 140        | $\dashv$ | +                       | +  | +                       | T                       | +       | $\top$       | $\top$       | 1        |
|           | 41       | ✝  | H               | $\dashv$ | $\top$   | $\dashv$ | 寸         | 7        | _        | $\dashv$ | ŀ   |       | 91       | T        |                | $\dashv$        | $\dashv$ |          | $\dashv$ | 7        | $\dashv$ | $\dashv$ |          |          | 141        | $\top$   | $\top$                  | $\top$   | $\top$                  | T                       | $\top$  | +            | 1            | 1        |
|           | 42       | <u> </u>   | $\Box$          | $\dashv$ | $\top$   | $\dashv$ | 寸         | $\neg$   | 寸        | $\neg$   | ı   |       | 92       | 1        | П              |                 | $\neg$   |          | _        |          | 7        | $\neg$   |          |          | 142        | $\top$   |                         | $\top$   | $\top$                  | T                       | 十       | $\top$       | 1            | 1        |
|           | 43       | Τ  | П               | $\top$   | $\top$   | $\dashv$ | _         | 7        | 7        | $\neg$   | Ì   |       | 93       | Т        | П              | П               |          | $\Box$   | 一        | 寸        | $\Box$   | $\Box$   |          |          | 143        |          |                         | $\top$   |                         | T                       |         |              |              | 1        |
|           | 44       | Γ  | П               | 7        |          |          | $\Box$    | $\Box$ † |          | $\Box$   | İ   |       | 94       | Τ        |                |                 |          |          |          |          |          |          |          |          | 144        |          |                         |  |                         |                         | ⋾       | $\Box$       | T            | 1        |
|           | 45       |  |                 |          |          |          |           |          |          |          | Ì   |       | 95       |          |                |                 |          |          |          | 丁        |          |          |          |          | 145        |          |                         |  |                         | 1                       |         | $\perp$      |              | ]        |
|           | 46       |  |                 | 丁        | $\Box$   |          |           |          |          |          | Ì   |       | 96       |          |                |                 |          |          |          | 丁        |          |          |          |          | 146        |          | m I                     |  | $oxed{\Box}$            | Ι                       | J       | $\mathbf{I}$ | $oxed{oxed}$ | ]        |
|           | 47       |  |                 |          |          |          |           |          |          |          | - [ |       | 97       |          |                |                 |          |          |          | $\Box$   |          |          |          |          | 147        | $\Box$   | $oldsymbol{\mathbb{I}}$ | $oldsymbol{ol}}}}}}}}}}}}} $ | $\perp$                 | Ι                       | floor   |              | $oxed{oxed}$ | ]        |
|           | 48       |  |                 | $\Box$   |          |          |           | J        |          |          | - [ |       | 98       |          |                |                 |          |          |          |          | $\Box$   |          |          |          | 148        |          | $oldsymbol{\mathbb{I}}$ | I  | $oldsymbol{\mathbb{I}}$ | Ι                       | Ι       | $\perp$      | Ι            | ]        |
|           | 49       |  |                 | $\Box$   |          |          |           | $\Box$   |          |          | [   |       | 99       |          |                |                 |          |          |          |          | $\Box$   |          |          |          | 149        |          | $\perp$                 |  |                         | I                       | $\perp$ | $\perp$      | $\perp$      |          |
|           | 50       |  |                 | $\Box$   | $\Box$   |          | $\square$ |          |          |          | [   |       | 100      |          |                |                 |          |          |          |          | T        |          |          |          | 150        | T        |                         |  |                         | $oldsymbol{\mathbb{L}}$ |         |              |              | 1        |